



Patent

VIA COURIER

2812  
6 Copy of #4

Customer No. 31561  
Attorney Docket No. 9048-US-PA

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Applicant : Hsin-Hung Lee  
Application No. : 10/064,382  
Filed : July 09, 2002  
For : Method Of Preventing Cathode Of Active Matrix Organic  
Light Emitting Diode From Breaking  
Art Unit : 2812  
Examiner : KENNEDY, JENNIFER M

RESPONSE TO OFFICE ACTION

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Dear Sirs,

In response to the Restriction Requirement dated December 13, 2002, a Response was faxed to the assigned fax number (703-872-9318) on January 8, 2003. The complete response together with the fax confirmation report which proves a successful receipt of the correspondence are now being forward to the USPTO. Since the relevant paper in response to paper no. 3 was already submitted to the USPTO on the said date prior to the due date, I believe that no fee are incurred.

Thank you for your assistance in the subject matter. If you have any questions, please feel free to contact me.

Respectfully Submitted,  
JIANO CHYUN Intellectual Property Office

By: Belinda Lee  
Belinda Lee  
Registration No.: 46,863

Dated: Jan 9, 2003

Please send future correspondence to:  
7F. -1, No. 100, Roosevelt Rd.,  
Sec. 2, Taipei 100, Taiwan, R.O.C.  
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JIANQ CHYUN IPO

Fax:23697233

\*\* Transmit Conf. Report \*\*

P.1

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FAX TRANSMISSION SHEET

January 8, 2003

CUSTOMER NO.: 31561

Attorney Docket No.: 9048-US-PA

Page(s): Cover +3

FAX NO.: 002-1-703-872-9318

TO: UNITED STATES PATENT AND TRADEMARK OFFICE

MESSAGE: Enclosed please find the Response to Restriction Requirement

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**FAX TRANSMISSION SHEET**

January 8, 2003  
**CUSTOMER NO.: 31561**  
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TO: UNITED STATES PATENT AND TRADEMARK OFFICE

MESSAGE: Enclosed please find the Response to Restriction Requirement

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PATENT



CUSTOMER NO.: 31561  
Attorney Docket No.: 9048-US-PA

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:

Hsin-Hung Lee et al. ) Examiner: Jennifer M. Kennedy  
Serial No.: 10/064,382 ) Art Unit: 2812  
Filed: July 9, 2002 )  
For: Method of Preventing Cathode of )  
Active Matrix Organic Light Emitting )  
Diode from Breaking )

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**RESPONSE TO RESTRICTION REQUIREMENT**

Assistant Commissioner of Patents and Trademarks  
Washington, DC 20231

Sir:

In response to the Restriction Requirement mailed on 12/13/2002 regarding the above-identified application, Applicant elects the fifth embodiment, represented by Figures 6A-6B and claims 19-23, for further examination on merits. Please cancel claims 1-18 without waiver, prejudice or disclaimer. Applicant reserves the right to pursue the subject matter of these cancel claims in a divisional application.

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Applicant, however, still respectfully traverse the restriction requirement for at least the reasons set forth below.

Claims 1-23 in the present invention basically have been divided into several groups as follows:

- Embodiment 1 represented by Claims 1-4 & FIG. 2;
- Embodiment 2 represented by Claims 5-9 & FIG. 3;
- Embodiment 3 represented by Claims 10-14 & FIG. 4A-4C;
- Embodiment 4 represented by Claims 15-17 & FIG. 5A-5D;
- Embodiment 5 represented by Claim 18 & FIG. 4A-4C; and
- Embodiment 6 represented by Claims 19-23 & FIG. 6A-6B.

Please note that Embodiment 1, represented by claims 1-4 (FIG.2), is directed to forming a dielectric resin passivation layer having a planarized surface on the thin film transistor to prevent the cathode breaking. Embodiment 2, represented by Claims 5-9 (FIG.3), is directed to forming a photosensitive layer covering the passivation layer to smooth the upper surface of the passivation to prevent the cathode breaking. Since Embodiment 1 (claims 1-4) and Embodiment 2 (claims 5-9) both use the method of providing a planarizing layer to prevent the cathode breaking, Embodiment 1 and Embodiment 2 are not independent or patentably distinct from each other. A restriction requirement to embodiments 1 and 2 is thus not proper.

In addition, Embodiment 3, represented by claims 10-14 (FIG.4A-4C), is directed to using a dry etching operation having a specific etching recipe to round the corners of the

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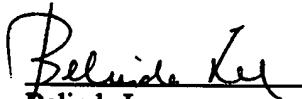
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source/drain. Embodiment 5, represented by Claim 18 (FIG.4A-4C), is directed to using a wet etching operation having a specific etching recipe to round the corners of the source/drain. Embodiment 4, represented by Claims 15-17 (FIG. 5A-5D) is directed to using another etching operation comprising removing a definite thickness of the conductive layer and removing a definite thickness of the photoresist layer to enable the source/drain pattern has a slope profile at each end. Embodiment 3 (claims 10-14), Embodiment 4 (claims 15-17) and Embodiment 5 (claim 18) are all directed to using etching operations having different recipes to achieve the object of preventing the cathode breaking. Hence, Embodiment 3 (Claims 10-14), Embodiment 4 (claims 15-17) and Embodiment 5 (claim 18) are not patentably distinct species of the claimed invention and a restriction requirement to these three embodiments is not proper.

No fee is believed to be due in connection with the filing of this paper.

Respectfully submitted,

Date: Jan. 8, 2003

  
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